

ABSTRACT OF THE DISCLOSURE

A public key used for creating a session shared key is inserted into a packet transmitted by a wireless terminal to an access point based on a DHCP. A public key used for  
5 creating the session shared key is inserted into a packet transmitted by the access point to the wireless terminal based on the DHCP. The access point creates the session shared key based on the public key and the wireless terminal creates the session shared key based on the public key. As  
10 a result, it becomes possible to safely share the session shared key K for privacy and/or authentication between the wireless terminal and the access point.